

Serial No.: 10/624,688  
Art Unit: 2682

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**Amendments to the Drawings:**

The attached sheets of drawings include changes to Figs. 1-3 . These sheets, which include Figs. 1-3, replaces the original sheet including Figs. 1-3

Attachment: Replacement Sheets

### REMARKS

Reconsideration of this application is respectfully requested in view of the foregoing amendment and the following remarks.

Claims 1-12 were pending in this application. Claim 2 has been cancelled and claims 1, 3, and 9 have been amended hereby to correct matters of form. Accordingly, claims 1 and 3-12 will be pending herein upon entry of this Amendment. For at least the reasons stated below, Applicant respectfully submits that all claims pending in this application are in condition for allowance.

In the Office Action mailed, claims 1-4, 7, 8 and 12 were rejected under 35 U.S.C. 102(b) as being clearly anticipated by Coronato et al. Claims 5, 6 and 9-11 were rejected under 35 U.S.C. 103(a) as being unpatentable over Coronato. To the extent these rejections might still be applied to claims presently pending in this application, it is respectfully traversed.

In regard to the rejection under 35 U.S.C. § 112, second paragraph, claim 9 has been amended to clarify that the diameter of the fiber is intended to be either about 80 mm or 125 mm. The "about" simply allows for suitable deviation from the claimed dimensions so as not to unduly limit the claim.

Regarding the rejection under 35 U.S.C. § 102(b) of claims 1 and 2 as anticipated by Coronato, et al., Applicants respectfully disagree with the Examiner's characterization of what is taught at col. 6 lines 11-19. Coronato merely teaches that the "fiber optic gyroscope 102 could be connected by the use of adhesives or could have an external surface that contains large diameter threads which interface with the housing." Coronato does not describe how this

interaction with the housing occurs, nor whether the "large diameter" is such that it is "substantially the same" as the diameter of the reaction wheel assembly housing. As is clearly shown in the Figures, gyro coil 102 occupies only a small portion of the right side of the overall assembly (see Fig. 4). This small gyro coil is precisely the type of coil intended to be improved upon by the present invention as described, for example, at pp. 10-11 of the instant application. Nowhere in Coronato is there a discussion of winding the coil around the housing itself to achieve a coil dimension of, for example, 12 inches or more to reduce error attendant with smaller diameter coil sizes. Accordingly, claim 1 as now amended to include the recitation formerly in claim 2 is allowable over the art of record.

Turning to the Examiner's taking of "official notice," Applicants respectfully request that the Examiner provide documentary evidence in support of these rejections. Applicants do not believe that the recitations contained in claims 5, 6, and 9-11 are "capable of instant and unquestionable demonstration as being well-known." MPEP 2144.03.A Each of the claim recitations at issue provide further detail to the invention of claim 1 and recite additional properties not believed to be taught in the prior art. Simply put, if these recitations are so well known, the Examiner should not have a problem producing references teaching the various recitations. Absent such documentary evidence, however, Applicants maintain that such recitations are not simply well-known and are thus patentable over the cited art.

In view of the foregoing all of the claims in this case are believed to be in condition for allowance. Should the Examiner have any questions or determine that any further action is

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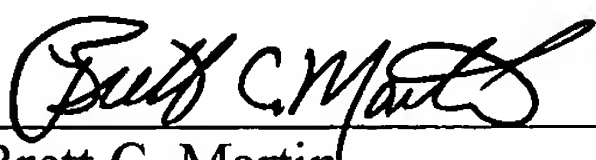
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desirable to place this application in even better condition for issue, the Examiner is encouraged to telephone applicants' undersigned representative at the number listed below.

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Respectfully submitted,

Date: December 19, 2005

By:   
Brett C. Martin  
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Attachments:

BCM/dkp

Customer No. 00128

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